



Program

Science

3970 | 144 Units of Credit

Overview

The three-year Bachelor of Science allows you to study a wide range of science subjects as well as many other areas of interest. This degree is ideal for students who seek a 'generalist' degree in which there is a large element of choice. Students are encouraged to choose a broad range of courses in the first year, to expand their general understanding of Science which then enables them to choose from a wide selection of major options in the second and third year. There is also the option to apply for an additional Honours year at the end of the three years, subject to a student's academic performance and other criteria. The rules and requirements for the degree are set out below.

Faculty

Faculty of Science

Campus

Kensington

Study Level

Undergraduate

Typical duration

3 Years

Delivery Mode

Face-to-face

Intake Period

Term 1, Term 3

Academic Calendar

3+ Calendar

Minimum Units of Credit

144

Award type

Bachelors Pass

Award(s)

Bachelor of Science -
BSc

UAC Code

429000

CRICOS Code

015780K

Learning Outcomes

1. Ethical, social and professional understanding including the ability to critically reflect upon broad ethical principles and codes of conduct in order to behave consistently with a personal respect and commitment to ethical practice and social responsibility, multicultural, cultural and personal diversity.

Global Citizens

Professionals

2. Teamwork, collaborative and management skills including the ability to recognise opportunities and contribute positively to collaborative scientific research, and to demonstrate a capacity for self management, teamwork, leadership and decision making based on open-mindedness, objectivity and reasoned analysis in order to achieve common goals and further the learning of themselves and others.

Leaders

Scholars

3. Information literacy including the ability to make appropriate and effective use of information and information technology relevant to their discipline.

Scholars

4. Effective and appropriate communication in both professional (intra and inter disciplinary) and social (local and international) contexts.

Scholars

5. Research, enquiry and analytical thinking abilities including the ability to construct new concepts or create new understanding through the process of enquiry, critical analysis, problem solving and research.

Global Citizens

Leaders

Scholars

6. Capability and motivation for intellectual development; including capacity for creativity, critical evaluation, entrepreneurship and demonstrating a commitment to their own learning, motivated by curiosity and an appreciation of the value of learning.

Professionals

Scholars

Graduate Capabilities:

For more information on Graduate Capabilities, please click on this [link](#).

Program Structure

Students must complete 144 UOC as a standalone program.

Students in the Bachelor of Science program must complete a minimum of **144 UOC**.

108 UOC of Science courses

This includes at least one **Bachelor of Science major** and **Science elective courses**. Science elective courses are defined in 'Table 1' in the Additional Information section below.

24 UOC of Free Electives

These courses can be taken from any Faculty at UNSW at any stage of your program.

12 UOC of General Education courses

These cannot be Science courses. The rules regarding General Education are detailed below.

Please click the Sample Programs link below to view a typical enrolment pattern for this program.

Majors

Students must complete at least one Science major selected from the list below. Students should declare their major prior to commencing Stage 2 courses.

Notes:

1. Students in 4076 Science/Education can only choose from the following majors: Biology, Chemistry, Ecology, Geography, Mathematics for Education, Pathology, Physics, Physiology. All other majors in 3970 are not permitted.
2. Students are not permitted to take the Bioinformatics major BINFB1 when taking the degree in dual award mode with the Bachelor of Engineering (Bioinformatics) program.

MAJOR:

[ANATA1](#) | 72 UOC

Anatomy

[BINFB1](#) | 96 UOC

Bioinformatics

BIOCC1 | 90 UOC
Genetics

BIOCM1 | 84 UOC
Molecular and Cell Biology

BIOSG1 | 78 UOC
Ecology

BIOSJ1 | 78 UOC
Biology

BIOTA1 | 84 UOC
Biotechnology

CHEMA1 | 78 UOC
Chemistry

FOODH1 | 72 UOC
Food Science

GEOGG1 | 78 UOC
Geography

GEOGK1 | 60 UOC
Geographical Studies

GEOLS1 | 78 UOC
Earth Science

MATHM1 | 60 UOC
Mathematics

MATHN1 | 66 UOC

Physical Oceanography

MATHT1 | 60 UOC

Statistics

MATHV1 | 66 UOC

Mathematics for Education

MATSB1 | 78 UOC

Materials Science

MICRB1 | 84 UOC

Microbiology

MSCIM1 | 78 UOC

Marine and Coastal Science

NEURS1 | 84 UOC

Neuroscience

PATHA1 | 66 UOC

Pathology

PHARA1 | 66 UOC

Pharmacology

PHSLA1 | 66 UOC

Physiology

PHYSL1 | 78 UOC

Physics

PSYCA1 | 78 UOC

Psychology

Science Elective Courses

Students must take at least 12 UOC of the following courses.

any Anatomy course

any Aviation course

any Biotechnology & Biomolecular Sciences course

any Biological, Earth & Environmental Science course

any Biochemistry course

any Biological Science course

any Biotechnology course

any Chemistry course

any Climate Science course

any Computer Science course

any Food Technology course

any Geoscience course

any Mathematics course

any Materials Science and Engineering course

any Microbiology course

any Marine Science course

any Neuroscience course

any Optometry course

any Pathology course

any Pharmacology course

any Physiology course

any Physics course

any Psychology course

any Faculty of Science course

any Medical Science course

any Vision Science course

Free Electives

Students can take up to a maximum of 24 UOC of the following courses.

any course

General Education

Students must take 12 UOC of the following courses.

Any course defined as a Science course cannot be taken as General Education (GE). All other courses can be used to fulfil the GE requirement of this program, including GEN#-coded courses. Any exceptions to these rules must be approved by the Associate Dean (Academic Programs) or nominee.

[any General Education course](#)

Course Information Rule

GEN# courses cannot count towards the free elective component, or towards science core courses or science electives in the program. Any exceptions to these rules must be approved by the Associate Dean (Academic Programs) or nominee.

Excluded General Education Courses

Students may not undertake any of the following excluded courses.

[any Computer Science course](#)

[any Food Technology course](#)

[any course offered by Faculty of Science](#)

[any General Education - Faculty of Science course](#)

[any Medical Science course](#)

Science Elective Courses

Students must take at least 12 UOC of the following courses.

[any Anatomy course](#)

[any Aviation course](#)

[any Biotechnology & Biomolecular Sciences course](#)

[any Biological, Earth & Environmental Science course](#)

any Biochemistry course

any Biological Science course

any Biotechnology course

any Chemistry course

any Climate Science course

any Computer Science course

any Food Technology course

any Geoscience course

any Mathematics course

any Materials Science and Engineering course

any Microbiology course

any Marine Science course

any Neuroscience course

any Optometry course

any Pathology course

any Pharmacology course

any Physiology course

any Physics course

any Psychology course

any Faculty of Science course

any Medical Science course

any Vision Science course

Minors

Students may choose to complete an optional minor in one of the following areas, using their Science and/or free electives. Please note that students in 4076 Science Education are NOT permitted to declare a minor.

MINOR:

ANATB2 | 36 UOC

Anatomy

ARCYB2 | 36 UOC

Palaeosciences

BIOCD2 | 42 UOC

Molecular Biology

BIOSD2 | 42 UOC

Biology

CHEMD2 | 48 UOC

Chemistry

CLIMA2 | 42 UOC

Climate Science

GEOLF2 | 36 UOC

Geology

MATHC2 | 36 UOC

Mathematics

MATHD2 | 36 UOC

Statistics

MSCIH2 | 36 UOC

Marine Science

PATHB2 | 42 UOC

Pathology

PHARB2 | 48 UOC

Pharmacology

PHSLB2 | 48 UOC

Physiology

PHYSC2 | 48 UOC

Physics

PSYCM2 | 36 UOC

Psychology

VISNB2 | 36 UOC

Vision Science

Level 1 Science UOC

Students must complete a minimum of 24 UOC of the following courses.

[any level 1 course offered by Faculty of Science](#)

Maximum Level 1 UOC

A maximum of 72 UOC of Level 1 courses can be taken, including any General Education or mainstream Level 1 course taken to fulfil either the General Education or the Free Elective requirement.

[any level 1 course](#)

Level 2 Maturity Requirements

Students must have completed 30 UOC before taking any of the following courses.

[any level 2 course](#)

Level 3 Maturity Requirements

Students must have completed 72 UOC before taking any of the following courses.

[any level 3 course](#)

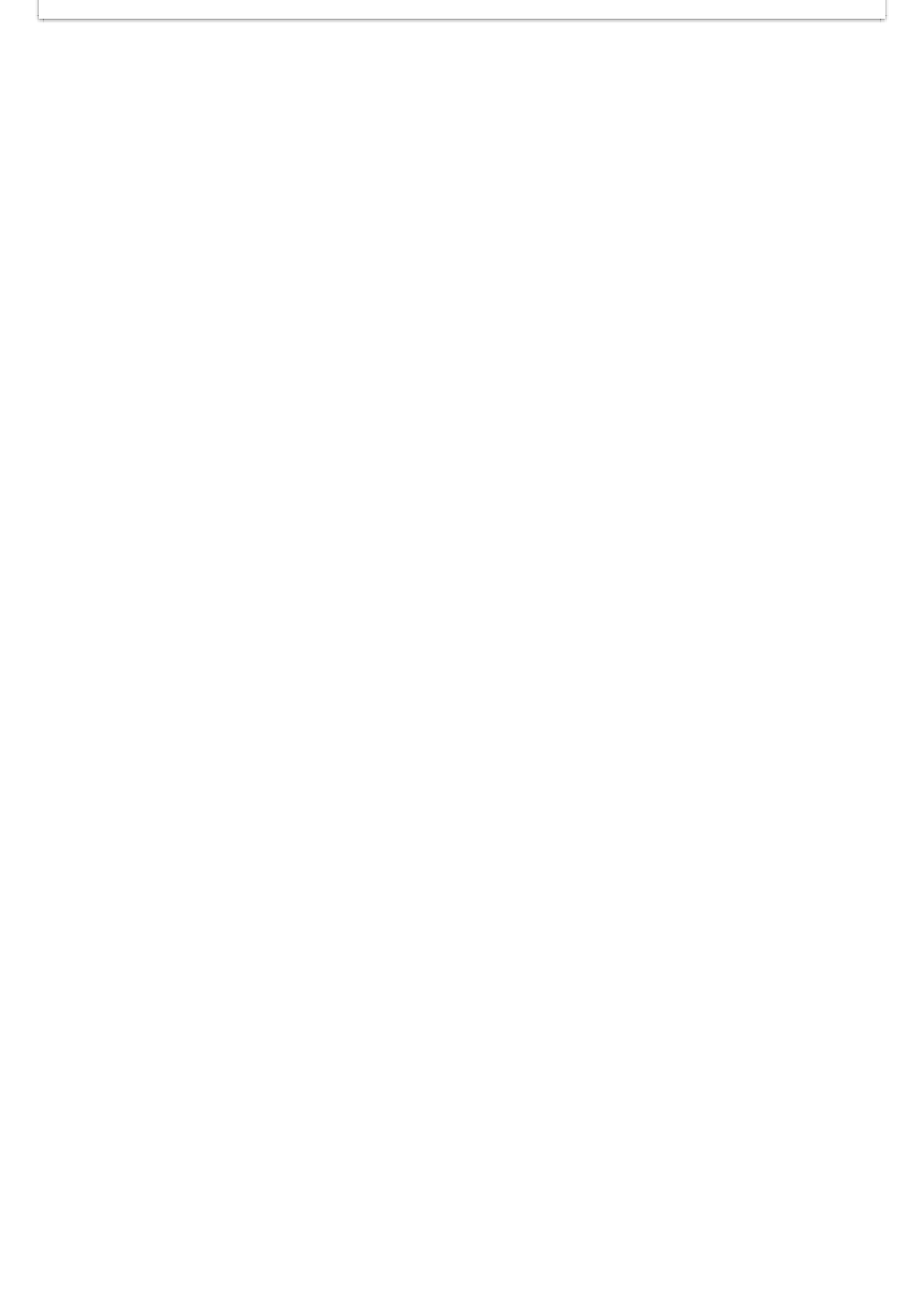
[any level 6 course](#)

Double Counting

Students cannot complete a minor with the same name as their nominated major, and Level II and III courses cannot be double-counted between majors and minors. More than one minor may be completed subject to the limit on double-counting. Students must declare their minor(s) before their final term.

Enrolment Disclaimer

Unless advised otherwise by your program authority, you should follow the rules for the handbook for the year you commenced your program. You are also responsible for ensuring you enrol in courses according to your program requirements. myUNSW enrolment checks that you have met enrolment requirements such as pre-requisites for individual courses but not that a course will count towards your program requirements.



Related Programs

Related Double Degree Programs

Bachelor of Actuarial Studies - **BActSt**

Bachelor of Science - **BSc**

3154 Actuarial Studies / Science

Faculty: UNSW Business School, Faculty of Science

Campus: Kensington

Units of Credit: 192

Typical Duration: 4 Years

[Read More](#)

Bachelor of Music - **BMus**

Bachelor of Science - **BSc**

3457 Music / Science

Faculty: Faculty of Arts and Social Sciences, Faculty of Science

Campus: Kensington

Units of Credit: 240

Typical Duration: 5 Years

[Read More](#)

Bachelor of Music (Honours) - **BMus (Hons)**

Bachelor of Science - **BSc**

3471 Music (Honours) / Science

Faculty: Faculty of Arts and Social Sciences, Faculty of Science

Campus: Kensington

Units of Credit: 240

Typical Duration: 5 Years

[Read More](#)

Bachelor of Commerce - **BCom**

Bachelor of Science - **BSc**

3529 Commerce / Science

Faculty: UNSW Business School, Faculty of Science

Campus: Kensington

Units of Credit: 192

Typical Duration: 4 Years

[Read More](#)

Bachelor of Economics - **BEC**

Bachelor of Science - **BSc**

3563 Economics / Science

Faculty: UNSW Business School, Faculty of Science

Campus: Kensington

Units of Credit: 192

Typical Duration: 4 Years

[Read More](#)

Bachelor of Engineering (Honours) - **BE (Hons)**

Bachelor of Science - **BSc**

3767 Engineering (Honours) / Science

Faculty: Faculty of Engineering, Faculty of Science

Campus: Kensington

Units of Credit: 240

Typical Duration: 5 Years

[Read More](#)

Bachelor of Science - **BSc**

Bachelor of Science - **BSc**

3789 Science / Computer Science

Faculty: Faculty of Engineering, Faculty of Science

Campus: Kensington

Units of Credit: 192

Typical Duration: 4 Years

[Read More](#)

Bachelor of Science - **BSc**

Bachelor of Social Research and Policy - **BSRP**

3937 Science / Social Research and Policy

Faculty: Faculty of Science, Faculty of Arts and Social Sciences

Campus: Kensington

Units of Credit: 216

Typical Duration: 4.7 Years

[Read More](#)

Bachelor of Science - **BSc**

Bachelor of Arts - **BA**

3947 Science / Arts

Faculty: Faculty of Science, Faculty of Arts and Social Sciences

Campus: Kensington

Units of Credit: 192

Typical Duration: 4 Years

[Read More](#)

Bachelor of Science - **BSc**

Bachelor of Fine Arts - **BFA**

3958 Science / Fine Arts

Faculty: Faculty of Science, Faculty of Art & Design

Campus: Kensington, Paddington

Units of Credit: 192

Typical Duration: 4 Years

[Read More](#)

Bachelor of Science - **BSc**

Bachelor of Education (Secondary) - **BEd (Secondary)**

4076 Science / Education (Secondary)

Faculty: Faculty of Arts and Social Sciences, Faculty of Science

Campus: Kensington

Units of Credit: 192

Typical Duration: 4 Years

[Read More](#)

Bachelor of Science - **BSc**

Bachelor of Laws - **LLB**

4770 Science / Law

Faculty: Faculty of Law, Faculty of Science

Campus: Kensington

Units of Credit: 240

Typical Duration: 5 Years

[Read More](#)

Related Programs

Bachelor of Science and Business - **BSc&Bus**

3925 Science and Business

Faculty: Faculty of Science

Campus: Kensington

Units of Credit: 144

Typical Duration: 3 Years

[Read More](#)

Bachelor of Environmental Management - **BEnvMgmt**

3965 Environmental Management

Faculty: Faculty of Science

Campus: Kensington

Units of Credit: 144

Typical Duration: 3 Years

[Read More](#)

Bachelor of Science (International) - **BSc(International)**

3987 Science (International)

Faculty: Faculty of Science

Campus: Kensington

Units of Credit: 192

Typical Duration: 4 Years

[Read More](#)

Program Requirements

Recognition of Prior Learning

UNSW Students may be granted Recognition for Prior Learning (RPL) which may or may not reduce the amount of learning required to achieve a degree at UNSW. Generally, RPL is only granted based on the completion of tertiary-level studies, but in exceptional circumstances may also include non-formal or informal learning such as professional experience. RPL will not be granted based on partly completed tertiary courses. All applications for RPL at UNSW are subject to UNSW Recognition of Prior Learning (Coursework Programs) Policy and Procedures. Students seeking credit for courses completed at another university are required to submit documentary evidence (course outlines, academic transcripts) to support their application, and to nominate the course(s) for which they seek credit. In addition, the following conditions apply for all UNSW Science programs (including the Science component of dual award programs): Specified course credit, i.e. credit granted for an exact or near exact equivalence to a course at UNSW, will not be granted when more than 7 years has elapsed from the successful completion of the course (or other learning) and the student's commencement in the Science program. Where this time period is shorter it will be stipulated in the individual rules for the relevant program. Unspecified course credit (e.g. General Education or free electives) will not be granted when more than 10 years has elapsed from the successful completion of the course (or other learning) and the student's commencement in the Science program. Students may only receive credit of up to a maximum of 50% of the coursework component of their Science program, excluding Honours. For most undergraduate programs this will be 72 UOC. For dual award programs that include a Science component, it will be a maximum of 50% of the Science component of the dual degree, excluding Honours. Credit for the other program will be assessed by the Faculty that administers that program. Applications for RPL will only be assessed for students who have accepted a place to study in a UNSW Science program. Students must formally apply for RPL unless they become a UNSW student as part of a formal Articulation Agreement. Applications for RPL should be made as early as possible in the student's program. Students who are readmitted into a Science program after a period of unapproved absence or deferment, or after exclusion, will not necessarily retain credit for all units completed at UNSW prior to the absence if the date of completion of the units of study is greater than the 7 and 10-year rules outlined in points 1 and 2 above. In these cases, the credit retained will be decided by the Associate Dean (Academic Programs) in consultation (when necessary) with the Program and/or Course Authority.

Progression Requirements

Progression rules are in accordance with university policy.

For more information on university policy on progression requirements please visit [Academic Progression](#).

Pathways

Honours Programs

Bachelor of Science (Honours) - **BSc(Hons)**
4500 Science (Honours)

Faculty: Faculty of Science

Campus: Kensington

Units of Credit: 48

Typical Duration: 1 Years

[Read More](#)

Recognition of Achievement

University Medal

The University Medal is awarded to recognise outstanding academic performance by a bachelor degree student in line with the University Medal Policy and University Medal Procedure.

Award of Pass with Distinction

The Award of Pass with Distinction is awarded when a weighted average mark (WAM) of at least 75% has been achieved and at least 50% of the requirements of the award completed at UNSW. All eligible programs will award Pass with Distinction except in special circumstances where approval of Academic Board has been given for a program to opt out.

For more information, please visit:

[Current Students Pass With Distinction](#)

Additional Information

Talented Students' Program and Accelerated Progression

The Science Talented Students' Program (TSP) introduces high performing students - entering the Bachelor of Science or Bachelor of Advanced Science (Honours) - to the Faculty of Science and helps them develop specific skills during their degree. The program offers these students exposure to research within the Faculty and provides a degree that is flexible and tailored to suit students' needs and talents.

Invitation to participate in the TSP is made by the Dean of Science on the basis of superior secondary education performance (ATAR or equivalent), all incoming students are assessed for eligibility including non-high school leavers. High performing current UNSW Science students, in the BSc or BSc (Advanced), will be invited to join at the end of their first year. Contact the [Science Student Centre website](#) for more details.

Definition of 'Science' courses

[Table 1](#)

Science Handbook Rules and Editions

Students must follow the program rules and requirements in the UNSW Handbook published in the year they commence their studies with the Faculty of Science.

Students who transfer from another UNSW Faculty into Science (for example, from a Bachelor of Arts into a Bachelor of Science) must follow the program rules and requirements in the UNSW Handbook published in the year of their transfer.

Students, who are readmitted to UNSW after a period of unapproved absence or deferment, or after exclusion, must satisfy the program rules in the Handbook published in the year of their readmission. In addition, these students may be subject to restrictions on which courses taken at UNSW may be counted on their return. In some cases, students returning from an unapproved absence may be required to repeat courses. See the Recognition of Prior Learning (RPL) and Advanced Standing section below for more details. Students who take approved leave or deferment will follow the Handbook for the year of their original commencement unless otherwise approved by the Associate Dean (Academic Programs).

Program Fees

At UNSW fees are generally charged at course level and therefore dependent upon individual enrolment and other factors such as student's residency status. For generic information on fees and additional expenses of UNSW programs, click on one of the following:

[Domestic Students](#)

[Commonwealth Supported Students](#)

[International Students](#)

Pre-2019 Handbook Editions

Access past handbook editions (2018 and prior)

[Pre-2019 Handbook Editions](#)

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Authorised by Deputy Vice-Chancellor (Academic)

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